

## MAINTENANCE ACTIVITY REPORT

**Site Name/Facility:** Lower Alvarado channel  
**PEIR Map No:** Maps 59 & 60  
**Date:** February 2011  
**Preparer Name:** Rudy Bilan, City of San Diego

**Instructions:** This form must be completed following any work done at a storm water facility. Attach additional sheets if needed.

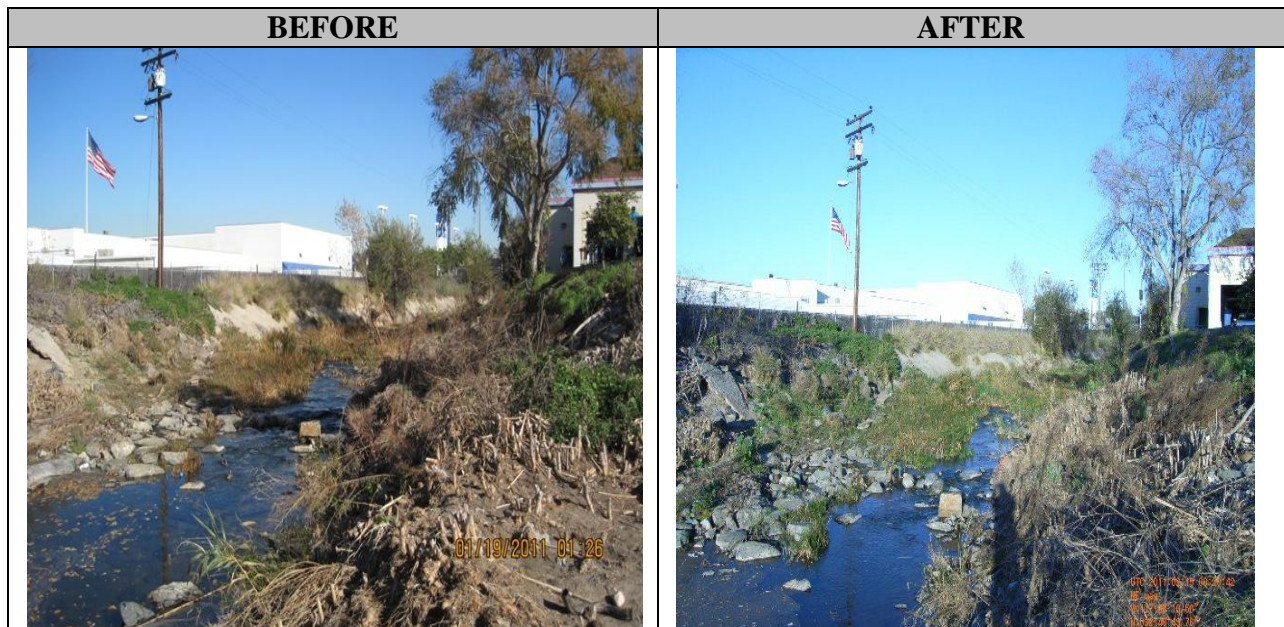
<b>Description of Work (e.g., routine, re-occurring; also note general frequency maintenance at this site):</b> Emergency maintenance to remove accumulated trash/debris, vegetation, and sediment within concrete-lined and earthen drainage channel which runs upstream from the west end of Map 59 towards a double-box culvert next to 4580 Alvarado Road.	
<b>Street Name:</b> Alvarado Canyon & Mission Gorge Pl <b>Latitude:</b> N 32°46'49.76" <b>Longitude:</b> W 117°06'10.50"	<b>Work Orientation from Street (N, S, E, W):</b> Commercial/Industrial (N&S), Open Space (W), Commercial-Office Park (E)  <b>Location Between Street</b> Camino Cascara (N), Camino Del Rio (S), Ward (W), Mission Gorge Place (E)
<b>Maintenance Facility Type:</b> <input checked="" type="checkbox"/> Stream <input type="checkbox"/> Roadside Ditch <input type="checkbox"/> Spillway <input checked="" type="checkbox"/> Culvert <input type="checkbox"/> Detention Basin <input type="checkbox"/> Other: _____	<b>Additional Description:</b> Constructed channel is a small, under-sized concrete-lined and earthen drain facility taking and conveying runoff from surrounding industrial and commercial businesses in the area.
<b>Work within drainage/creek:</b> Length: 1630' of 3,420' channel segment (How many linear feet were cleared)	<b>Name of drainage/creek:</b> <b>Width (FT):</b> 30 ft <b>Area (SQ FT):</b> 48,900 <b>Depth (FT):</b> 2'-3' to channel bottom
<b>Is the creek lined:</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>  <b>Notes:</b> 9/10 concrete-lined and 1/10 earthen.	<b>Lining Type:</b> <input checked="" type="checkbox"/> Concrete lined both sides, bottom <input checked="" type="checkbox"/> Earthen, both sides, bottom <input type="checkbox"/> Riprap sides, earth bottom <input type="checkbox"/> Concrete sides, earth bottom <input type="checkbox"/> Other type: _____
<b>Silt/Sand Removal:</b> Length: 1630' (How many linear feet were cleared of silt/sand)	<b>Describe cause of silt/sand:</b> 1,864.38 Tons
<b>Debris Removal:</b> Length: 1630' (How many linear feet were cleared of debris)	<b>Describe debris and cause:</b> 75% silt, 25% vegetation
<b>Were any toxic materials found:</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> <b>List toxics:</b>  <b>Hazardous Material Manifest:</b> _____	<b>Were more than 9 tires recovered?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>  <b>CTL Number:</b> _____
<b>Access via previously disturbed area:</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<b>Access route:</b> Existing paved parking lot and driveway. Two small areas on the north side of the channel (Auto repair site at the Mission Gorge Road bridge, Office park complex at the east end) were used for access and storage of maintenance equipment.

	<b>Maintenance Equipment Used:</b> Loader, Gradall, Trucks
<b>Vegetation Removal:</b> Length: 1630' (How many linear feet were cleared of vegetation)	<b>Types of Vegetation Removed:</b> Grass, Weeds, Willows  (Indicate bush, trees, plants, grasses, list diameter of trunk at 4' height)
<b>Ground Disturbing Activities:</b> Length: 1630' (How many linear feet were disturbed by activity)	<b>Upland Vegetation Removed - Types &amp; Area:</b>  None.
<b>Were erosion controls necessary?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<b>Describe interim erosion control measures:</b> N/A
<b>Did work occur within nesting breeding season (January 15 – August 31)?:</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<b>Biologist/Monitor/Archaeologist present:</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> <b>Names:</b> _____
<b>Was any water quality sampling required?:</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
<b>Additional Maintenance Description:</b> This channel naturally accumulates vegetation and sediment due to box culvert at Mission Gorge Road bridge, and non-maintenance of downstream portion. Channel maintenance conducted at two segments, which were at the east end of the Map 59 and section including the Mission Gorge Road bridge.  Work included the following: 1) Temporary dam constructed upstream of maintenance area at east end of Map 60; 2) BMP gravel bags installed into channel for sediment removal at access point near east end of Map 60; 3) Loader entered the drain facility at 2 access points (used concrete channel embankment); 4) Loader pushed accumulated material within drainage facility to a central site near access ramps; 5) Gradall scooped accumulated material from central site and loaded items into dump truck; 6) Loaded dump truck departed from drain facility, and off-loaded materials at approved off-site disposal location.	
<b>Describe surrounding land use within work area (assume 500-foot buffer area):</b> The surrounding land uses include industrial and commercial business activities throughout the length of this portion of the Alvarado channel from the west end (strip mall) to east end (office park complex).	
<b>Identify temporary/permanent impacts to habitat by area (acres/square footage) as determined by Biologist:</b> Temporary impact included vegetation trimming/clearing and sediment removal from drain facility, and installation of temporary dam and gravel bags. This lower portion of the channel has very limited wildlife due to it adjacent proximity to developed lands.	
<b>Additional Comments (Describe any unusual conditions, situations or special requirements needed to do the work such as diversion of water, construction of staging area, replacement of bank material, presence of utilities, etc.):</b>  Crew utilized existing paved driveways, parking lots, and the concrete channel embankment as access points to enter channel. Access points were at east side of the Mission Gorge Road bridge and office park complex near east end of Map 60. Implemented sweeping BMP to remove vegetation debris and sediment after loading of spoils from channel was completed. Parking areas were used for storage, and staging area for all the machinery. All waste was transferred to a landfill after dried off in the storage area.	

## SITE PHOTOS



**PHOTO NOTES:** View from midpoint of west boundary of Map 59 & Mission Gorge Road Bridge (MGRB).  
Looking downstream in western direction.



**PHOTO NOTES:** View from midpoint of west end of Map 59 and MGRB. Looking upstream in eastern direction.

## SITE PHOTOS



**PHOTO NOTES:** View looking downstream in western direction from MGRB.



**PHOTO NOTES:** View looking upstream in eastern direction from MGRB.

## SITE PHOTOS



**PHOTO NOTES:** View from about twenty feet from end of concrete lined channel and start of earthen channel at a segment between auto repair shop and hotel near MGRB. Looking downstream towards east side of MGRB.



**PHOTO NOTES:** View from about twenty feet from end of concrete lined channel & start of earthen channel. This segment is between auto repair shop and hotel near MGRB (east side). Looking upstream in eastern direction.

## SITE PHOTOS



**PHOTO NOTES:** View from access point to box drain culvert at east end of map 60. Looking in eastern direction towards box drain culvert.



**PHOTO NOTES:** View from south side of channel next to box drain culvert at east end of Map 60 Looking downstream in western direction.